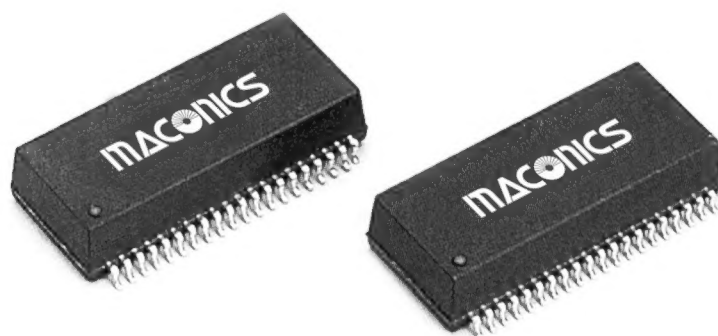


10/100 BASE-TX QUAD PORT TRANSFORMER MODULES



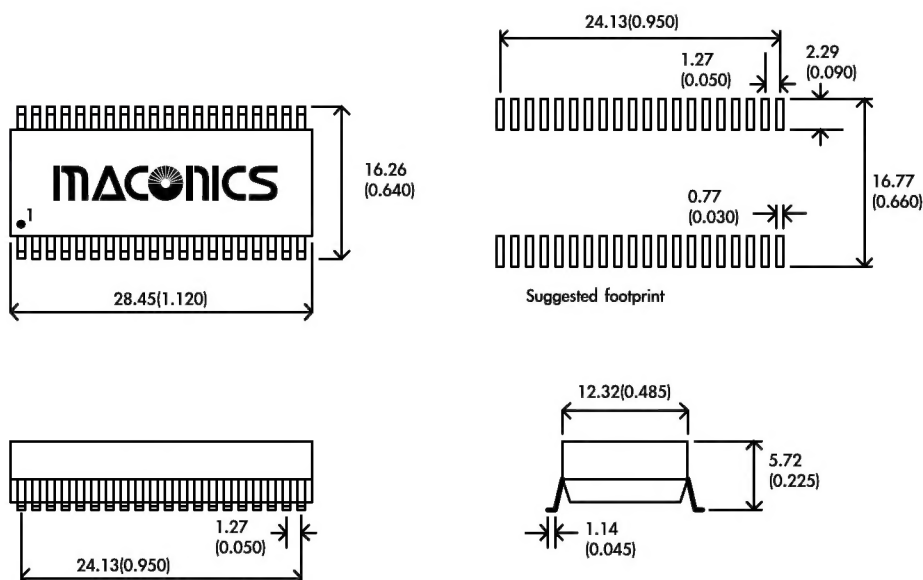
For Use with Level One's LXT974, LXT975 and LXT980 Series of PHY Solutions
2:1 Transmit Turn Ratios Compatible



Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

| Part Number | Insertion Loss (dB TYP) | Return Loss (dB TYP) | | | | Crosstalk (dB MIN) | | | | Common to Common Rejection Ratio 0.1-60 MHz (db MIN) | | Differential to Common Mode Rejection (dB MIN) | |
|-------------|-------------------------|----------------------|--------|--------|-----------|--------------------|--------|--------|---------|--|---------|--|------------|
| | 0.1-100 MHz | 2-30 MHz | 40 MHz | 50 MHz | 60-80 MHz | 1 MHz | 30 MHz | 60 MHz | 100 MHz | Transmit | Receive | 1-60 MHz | 60-200 MHz |
| HS2179 | -0.5 | -21 | -17 | -14.5 | -12 | -60 | -50 | -40 | -35 | -30 | -30 | -40 | -30 |
| HS2170 | -0.5 | -21 | -17 | -14.5 | -12 | -60 | -50 | -40 | -35 | -30 | -30 | -40 | -30 |
| HS2185 | -0.5 | -21 | -17 | -14.5 | -12 | -60 | -50 | -40 | -35 | -30 | -30 | -40 | -30 |

Mechanical

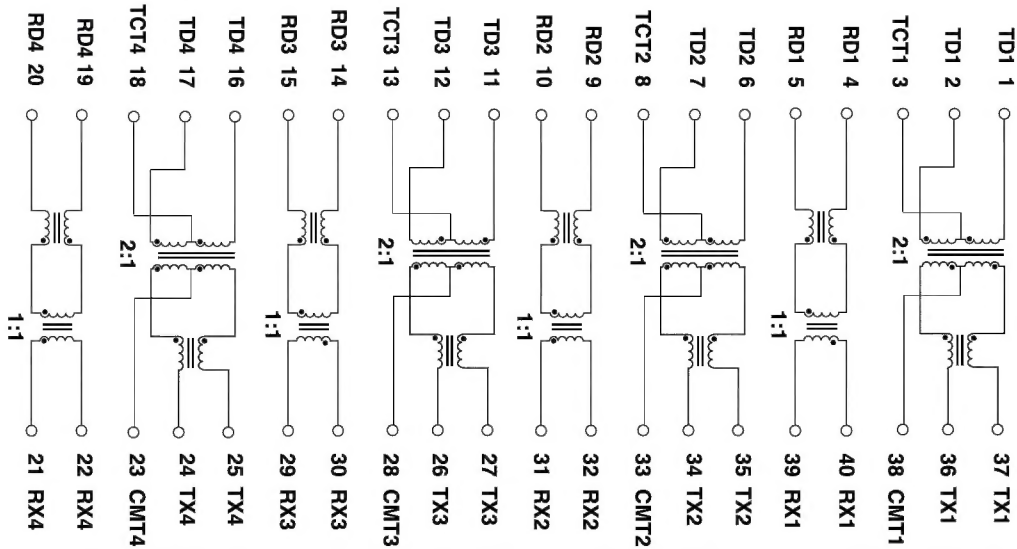


10/100 BASE-TX QUAD PORT TRANSFORMER MODULES

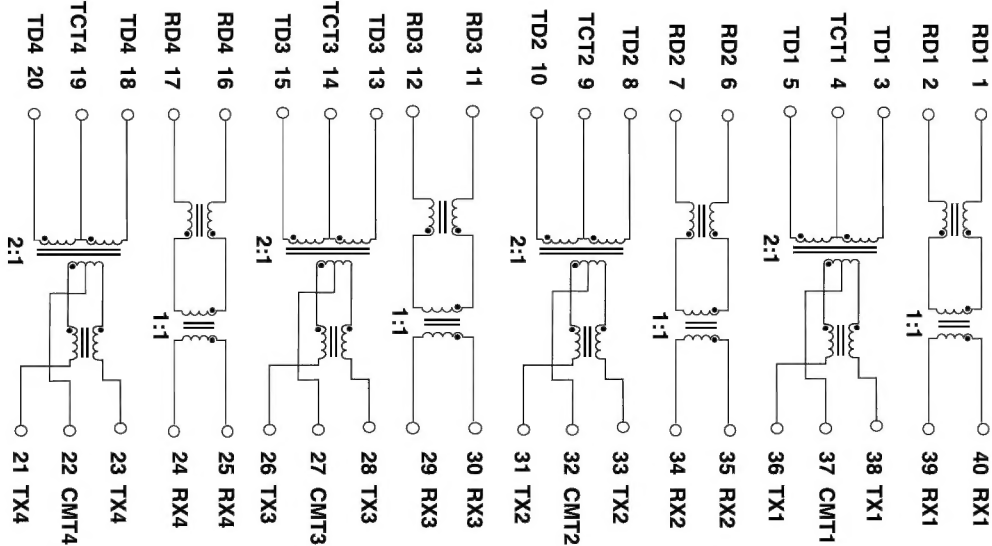
MACONICS
MAGNETICS SOLUTION FOR 3C

Schematics

HS2179



HS2170



HS2185

